



#3

## SEQUENCE LISTING

## (1) GENERAL INFORMATION:

- (i) APPLICANT: Olsson, Lennart  
Naranda, Tatjana
- (ii) TITLE OF INVENTION: RECEPTOR DERIVED PEPTIDES INVOLVED IN MODULATION OF RESPONSE TO LIGAND BINDING
- (iii) NUMBER OF SEQUENCES: 12
- (iv) CORRESPONDENCE ADDRESS:  
(A) ADDRESSEE: Morrison and Foerster LLP  
(B) STREET: 755 Page Mill Road  
(C) CITY: Palo Alto  
(D) STATE: California  
(E) COUNTRY: United States  
(F) ZIP: 94304-1018
- (v) COMPUTER READABLE FORM:  
(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:  
(A) APPLICATION NUMBER: US 10/074,695  
(B) FILING DATE: 11-FEB-2002  
(C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:  
(A) APPLICATION NUMBER: US 08/788,820  
(B) FILING DATE: 23-JAN-1997
- (vii) PRIOR APPLICATION DATA:  
(A) APPLICATION NUMBER: US 08/701,382  
(B) FILING DATE: 22-AUG-1996
- (vii) PRIOR APPLICATION DATA:  
(A) APPLICATION NUMBER: US 08/612,999  
(B) FILING DATE: 08-MAR-1996
- (viii) ATTORNEY/AGENT INFORMATION:  
(A) NAME: Apple, Randolph T.  
(B) REGISTRATION NUMBER: 36,429  
(C) REFERENCE/DOCKET NUMBER: 213542000102
- (ix) TELECOMMUNICATION INFORMATION:  
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(2) INFORMATION FOR SEQ ID NO: 1:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 25 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: unknown
  - (D) TOPOLOGY: unknown
- (ii) MOLECULE TYPE: protein
- (ix) FEATURE:
  - (A) NAME/KEY: CDS
  - (B) LOCATION: 50..1030
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1

Glu Arg Glu Thr Gln Ile Ala Lys Gly Asn Glu Gln Ser Phe Arg Val  
1 5 10 15

Asp Leu Arg Thr Leu Leu Arg Tyr Tyr  
20 25

(2) INFORMATION FOR SEQ ID NO: 2:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 23 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: unknown
  - (D) TOPOLOGY: unknown
- (ii) MOLECULE TYPE: protein
- (ix) FEATURE:
  - (A) NAME/KEY: CDS
  - (B) LOCATION: 50..1030
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2

Thr Trp Leu Gly Arg Gln Gly Pro Glu Gly Pro Ser Ser Ile Pro Pro  
1 5 10 15

Gly Thr Leu Thr Thr Leu Trp  
20

(2) INFORMATION FOR SEQ ID NO: 3:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 24 amino acids
  - (B) TYPE: amino acid

(C) STRANDEDNESS: unknown  
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: protein

(ix) FEATURE:

(A) NAME/KEY: CDS  
(B) LOCATION: 50..1030

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3

Lys Thr Asp Ser Gln Ile Leu Lys Glu Leu Glu Glu Ser Ser Phe Arg  
1 5 10 15

Lys Thr Phe Glu Asp Tyr Leu His  
20

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 25 amino acids  
(B) TYPE: amino acid  
(C) STRANDEDNESS: unknown  
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: protein

(ix) FEATURE:

(A) NAME/KEY: CDS  
(B) LOCATION: 50..1030

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4

Gly Arg Gly Asn Glu Lys Lys Pro Ser Ser Val Arg Ala Leu Ser Ile  
1 5 10 15

Val Leu Pro Ile Val Leu Leu Val Phe  
20 25

(2) INFORMATION FOR SEQ ID NO: 5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 24 amino acids  
(B) TYPE: amino acid  
(C) STRANDEDNESS: unknown  
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: protein

(ix) FEATURE:

(A) NAME/KEY: CDS  
(B) LOCATION: 50..1030

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5

Lys Thr Glu Ala Glu Lys Gln Ala Glu Lys Glu Glu Ala Glu Tyr Arg  
1 5 10 15

Lys Val Phe Glu Asn Phe Leu His  
20

(2) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 23 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: unknown
- (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: protein

(ix) FEATURE:

- (A) NAME/KEY: CDS
- (B) LOCATION: 50..1030

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6

Lys Lys Glu Asn Lys Ile Val Pro Ser Lys Glu Ile Val Trp Trp Met  
1 5 10 15

Asn Leu Ala Glu Lys Ile Pro  
20

(2) INFORMATION FOR SEQ ID NO: 7:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 25 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: unknown
- (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: protein

(ix) FEATURE:

- (A) NAME/KEY: CDS
- (B) LOCATION: 50..1030

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7

Glu Lys Lys Pro Val Pro Trp Glu Ser His Asn Ser Ser Glu Thr Cys  
1 5 10 15

Gly Leu Pro Thr Leu Val Gln Thr Tyr  
20 25

(2) INFORMATION FOR SEQ ID NO: 8:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 24 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: unknown
  - (D) TOPOLOGY: unknown
- (ii) MOLECULE TYPE: protein
- (ix) FEATURE:
  - (A) NAME/KEY: CDS
  - (B) LOCATION: 50..1030
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8

Tyr Lys Glu Gly Thr Met Leu Asn Cys Glu Cys Lys Thr Gly Phe Arg  
1 5 10 15

Arg Ile Lys Ser Gly Ser Leu Tyr  
20

(2) INFORMATION FOR SEQ ID NO: 9:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 24 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: unknown
  - (D) TOPOLOGY: unknown
- (ii) MOLECULE TYPE: protein
- (ix) FEATURE:
  - (A) NAME/KEY: CDS
  - (B) LOCATION: 50..1030
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9

Leu Leu Glu Gly Glu Pro Arg Glu Phe Val Glu Asn Ser Glu Cys Ile  
1 5 10 15

Gln Cys His Pro Glu Cys Leu Pro  
20

(2) INFORMATION FOR SEQ ID NO: 10:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 27 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: unknown
  - (D) TOPOLOGY: unknown
- (ii) MOLECULE TYPE: protein

(ix) FEATURE:

- (A) NAME/KEY: CDS
- (B) LOCATION: 50..1030

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10

Pro Lys Thr Asp Ser Gln Ile Leu Lys Glu Leu Glu Glu Ser Ser Phe  
1 5 10 15

Arg Lys Thr Phe Glu Asp Tyr Leu His Asn Val  
20 25

(2) INFORMATION FOR SEQ ID NO: 11:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 36 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: unknown
- (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11

Gly Asn Glu Gln Ser Phe Arg Val Asp Leu Arg Thr Leu Leu Arg Tyr  
1 5 10 15

Ala Gly Gly Asn Glu Gln Ser Phe Arg Val Asp Leu Arg Thr Leu  
20 25 30

Leu Arg Tyr Ala  
35

(2) INFORMATION FOR SEQ ID NO: 12:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 28 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: unknown
- (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: protein

(ix) FEATURE:

- (A) NAME/KEY: CDS
- (B) LOCATION: 50..1030

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12

Glu Tyr Glu Leu Gln Tyr Lys Glu Val Asn Glu Thr Lys Trp Lys Met  
1 5 10 15

Met Asp Pro Ile Leu Thr Thr Ser Val Pro Val Tyr  
20 25